



# Wolf Creek Dam Weekly Update

US Army Corps of Engineers  
Nashville District

19 December 2007

## Construction Report

**Foundation Grouting.** To date, all 50 holes in the gallery have been drilled and grouted with a total of over 4447 gallons of grout. Boart Longyear continued drilling (overburden) and casing using the sonic method in the critical section of TO#4. Boart is running 5 rigs on the day shift, and 4 on the night shift. There are a total of 803 holes in Overburden, drilled and cased. Rock coring and drilling on the work platform continued this week, as well as pressure washing and grouting operations. ACT/Boart Longyear completed the five exploratory holes in Critical Area #1, and temporarily suspended working on exploratory alluvium holes until the V-Line is in place. ACT/Boart Longyear worked on V-Line treatment, with six of 23 completed. There is a total of over 310,400 gallons of grout in 425 holes along the embankment. To date, over 314,929 gallons of grout have been pumped into the foundation.



Sleeve Port Casing Installation

### This Week's Activities

- Continue sonic drilling and installation of PVC casing
- Boart will be ramping down from 5 drills for the Christmas break
- Continue rock coring and rock production drilling this week; will be shut down Christmas week
- Continue pressure testing and grouting this week; will be shut down Christmas week
- Continue work on V-Line treatment, with grouting beginning this week

## Water Management Report

Lake Cumberland elevation on 12/17/07 was 683.05. The planned discharge is 6800cfs until 7:00am Tuesday. The discharge will then increase to 10500cfs thru 7:00 am Friday. The extra discharge is to test Unit #6 as well as lower the pool elevation. If the pool level is coming down at a satisfactory rate, the discharge will be reduced to 6800 cfs. There is very little rain forecasted for the next five days.

### Lake Cumberland Elevation

**683.05**

Time: 0600

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